

# The Real Estate ANALYST

FEBRUARY 27

Roy Wenzlick Editor

A concise easily digested periodic analysis based upon scientific research in real estate fundamentals and trends....Constantly measuring and reporting the basic economic factors responsible for changes in trends and values.....Current Studies.....Surveys.....Forecasts

VOLUME XI

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### GOVERNMENT HOUSING SHAKE-UP

A press conference on February 24, President Roosevelt announced the complete reorganization of the Federal housing agency set-up. John B. Blandford, Jr., has been appointed as the administrator of a new, consolidated establishment which will be known as the National Housing Agency. Under this new arrangement the sixteen separate housing agencies - including the FHA, the HOLC and USHA - will now become a part of the NHA. Charles F. Palmer, formerly Defense Housing Coordinator - will be sent to London as the President's representative to study housing under actual war-time conditions.

Mr. Blandford since 1939 has been assistant director of the Bureau of the Budget; the preceding two years he served as general manager of the Tennessee Valley Authority. He is forty-five years of age, is a mechanical engineer with most of his experience either in governmental research or in governmental administration.

It is to be hoped that his appointment will end the internal conflicts and jealousies among the various housing groups which have almost amounted to a public scandal during the past six or seven years.

Charles F. Palmer, former Defense Housing Coordinator, speaking before the National Public Housing Conference in Washington on February 6 said: "After the war, public housing ought to expand almost explosively. I believe there ought to be a program of 600,000 publicly-built houses a year for ten years after the war. These 6,000,000 homes would care for a substantial portion of that 'one-third of a nation ill-housed.' Public housing will then have the chance to grow up and take its place as one of our greatest instruments for human betterment."

We have defended Mr. Palmer in the Real Estate Analyst from time to time. However, we believe that this statement shows that he either lacks information on the volume of building which is ordinarily done in the United States or else that he favors the almost complete socialization of the housing field.

In the past ten years, as nearly as can be determined, 2,969,000 non-farm homes have been built. This includes all public housing and the very large amount of housing stimulated by the easy financing of the FHA. There has been no ten-year period in our history when we have built, privately and publicly, as many as 6,000,000 homes. For the Government to undertake the building of that number would mean a complete cessation of all private building, as private building clearly cannot compete with the subsidized building of the Government.

### DEFENSE EXPENDITURES

30

29

28

27

26

25

20

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194

1800

15 ] |4 \(\Sigma\)

130

HUNDREDS

10

\$2,100,754,426

TOTAL

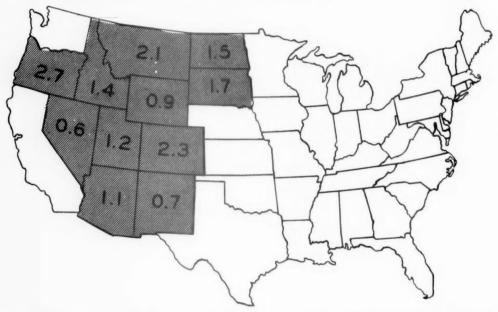
OTHER-

URING January actual defense expenditures reached a new high of more than \$2 billion for the month. This is just the beginning, however, as before the war is over we will reach some months with expenditures of \$5 billion in a month's time. The amount of money spent on defense in January is almost exactly equivalent to the total wealth of the state of Montana.

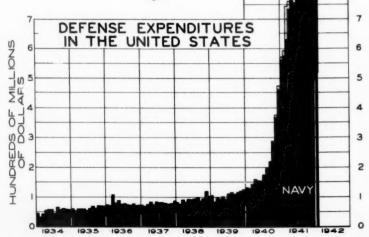
On the map below we have attempted to visualize the dollar amount of actual defense expenditures from July 1, 1940, through January 1942. These expenditures are equivalent to the estimated total wealth of the eleven states shown on the map below. The large figures on each state show the estimated wealth of that state in billions of dollars.

"Estimated wealth" includes real estate, railroads and other public utilities, and everything of value in the state. At the peak of our defense expenditures we will probably exceed \$60 billion in a given year.

As stated before, these illustrations are not given with



the intention of criticizing our foreign policy. We believe that it is imperative that our armed forces be prepared as rapidly and as completely as possible. By these illustrations, however, we are trying to emphasize the tremendous problems in trying to prevent a high degree of inflation. We believe that a reasonable degree of inflation is inevitable and that this inflation will affect real estate values to a marked extent.



### THE GOVERNMENT AND NEW BUILDING

URING 1942 the volume of building will depend almost entirely on Government policy. For that reason the forecast shown in the table below, released by the Bureau of Labor Statistics of the United States Department of Labor, is more significant than it would be in a year in which ordinary economic incentives determined to a large extent the volume of building which would be done.

It will be noticed in this table that the total volume of all types of construction is expected to exceed the levels for 1939, 1940 and 1941, but that total private construction is expected to be below these previous years.

The only items of private construction which are expected to exceed the previous years shown are farm residential buildings and farm service buildings. This would indicate that the Bureau of Labor Statistics expects the farmer to continue to get preferential treatment on critical materials needed in building.

New Construction Expenditures in the United States 1/1939, 1940, 1941, and Estimate for 1942

(Millions of dollars)

	1939	1940	1941	1942
Private Construction Residential (nonfarm) 2/ Nonresidential (includes privately financed	\$2,050	\$2,320	\$2,680	\$1,700
defense plants)	900	1,050	1,290	600
Residential		211	230	250
Service buildings		257 686	300 848	350 750
Total Private Construction	\$3,842	\$4,524	\$5,348	\$3,650
Public Construction				
Residential (includes defense housing) Nonresidential (excludes industrial	81	210	500	1,000
facilities)		365	265	100
Industrial facilities	20	130	1,200	2,000
dustrial facilities or defense housing)		440 940	1,500	2,800
Other Public Federal 3/		375	430	400
State and Local 4/	330	240	220	100
	\$2,578	\$2,700	\$5,125	\$7,100
Total Public Construction	#2,0.0			

The estimates include expenditures for new construction in the continental United States. They do not include work relief construction expenditures or maintenance expenditures. The estimates do include expenditures for major additions and alterations.

2/ The residential totals have been adjusted to the new levels indicated by the 1939 Census of Housing.

3/ Mainly river, harbor, and flood control, reclamation and power projects.
4/ Includes water supply, sewage disposal, and miscellaneous public service enterprises.

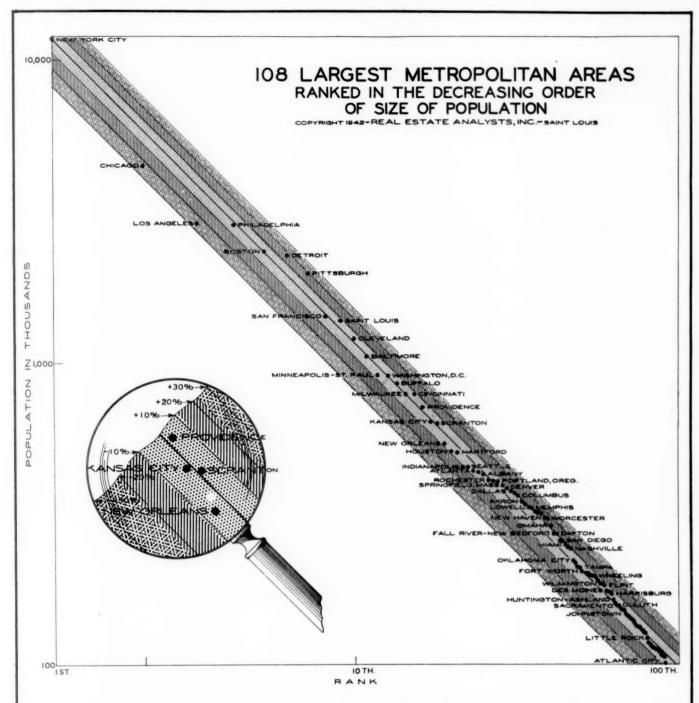
### PARETO'S LAW AND CITY SIZE

YN 1896 Vilfredo Pareto, an engineering genius born in Paris of Italian parentage, published his discoveries concerning the distribution of income. The distribution pattern which he found is now generally known as Pareto's In simplest terms, Pareto's law states that larger incomes are received by comparatively few people, and as incomes decrease in size the number of people receiving them increases in such a fashion that if incomes of any given size are plotted on a logarithmic chart, against the number them, the resulting line will be a straight line. It was later found that Pareto's curve holds equally well for many other types of distribution. Professor George Kingsley Zipf of Harvard University in a recent study entitled "National Unity and Disunity" applies the same general principle to population This law would suggest, for instance, that if the population of the largest city in any country is taken as a unit, the second city in that country will have a population approximately half that of the largest city. The third city in size should have a population about one-third that of the largest city; the tenth city in size, a population about one-tenth the size of the largest city; and the fifty-seventh city in size, a population of approximately 1/57 of the largest city. In other words, if this general principle applies, it is possible to estimate roughly the population of any community if the population of the largest community is known and the relative ranking of the community in question.

The table below shows the population of the fifteen leading U. S. cities according to the 1940 Census, together with the population which Pareto's law would indicate. While there are variations, the variations are not great, and studies of all census enumerations from 1790 to 1940 indicate that the same regular distribution has been present to a greater or less extent in all enumerations.

City		Rank	Actual population, 1940*	What the "pattern' suggests				
New York		1	7,454,995	** 7,454,995				
Chicago		2	3,396,808	3,727,497				
Philadelphia		3	1,931,334	2,484,998				
Detroit		4	1,623,452	1,863,748				
Los Angeles		5	1,504,277	1,490,999				
Cleveland		6	878,336	1,242,499				
Baltimore		7	859,100	1,064,999				
St. Louis		8	816,048	931,874				
Boston		9	770,816	828,332				
Pittsburgh		10	671,659	745,499				
Washington		11	663,091	677,726				
San Francisco		12	634,536	621,249				
Milwaukee		13	587,472	573,539				
Buffalo		14	575,901	532,499				
New Orleans		15	494,537	496,999				

The chart on the page opposite shows greater variations than the table above. This chart is based not on the population of the various cities but on



the total population of the metropolitan areas defined by the Census. It seems to us that this is a far better test, as the Census includes in each metropolitan area all of the contiguous suburbs. By using metropolitan areas we get away from the difficulty of cities which in some cases have enlarged their city limits over wide areas and other communities where city limits have not been changed for many years.

The surprising thing about these studies of population sizes is not the variation from the ideal pattern but the fact that a pattern exists at all. Why, for instance, do we not find after the first ten cities in size a large number of cities all having approximately the same population? Would we not naturally assume that there are many cities in the United States approximately the same size?

The chart above clearly indicates that such is not the case.

### RESIDENTIAL RENTS AND CONSTRUCTION COSTS

In the As I See It Bulletin of November 25, 1941, we said, "At any given time the level of residential rents in any locality is determined by the relationship of supply and demand in that community, but over the long period it is determined by the monthly cost of ownership of new additions to the housing supply." The long chart shown to the right is an attempt to test this statement by the actual fluctuations of dwelling rents in Greater St. Louis over a ninety-year period.

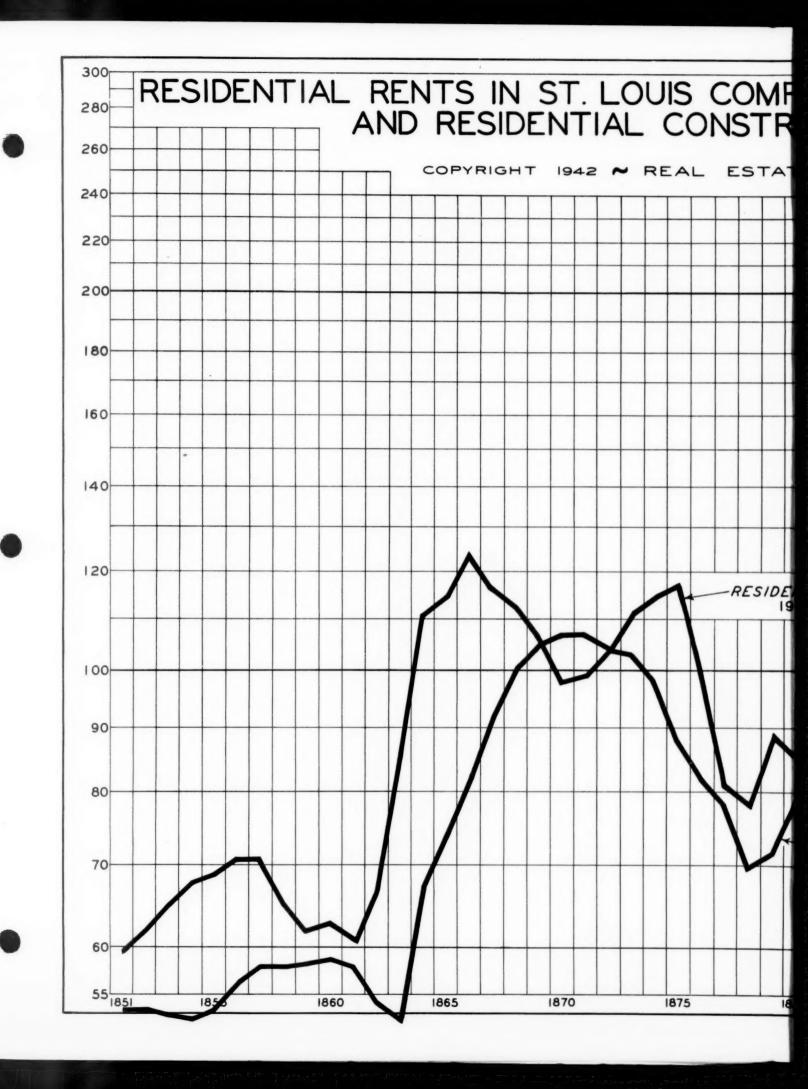
The index of residential rents was compiled for the period from 1851 to 1880 from a study published in 1886 as a part of the Tenth Census of the United States. This study attempted to trace rental fluctuations in a number of cities of the United States, of which St. Louis was one. Real Estate Analysts, Inc., has compiled figures from 1868 to the present on residential rents in St. Louis, and this series was combined with the Census series for the earlier years, with an overlap of twelve years. This chart constitutes the longest continuous rent series available on any city of the world.

On the chart to the right the fluctuations in residential rents are shown by the red line. The fluctuations in building material prices are shown by the solid black line. This line is based on the figures compiled by Warren and Pearson. From 1913 on the black dotted line shows the fluctuations in the actual construction cost - labor, materials and overhead - of a six-room standard frame residence built in St. Louis. This dotted line is added to the chart to show the variation between building material prices and actual cost. It is unfortunate that actual building costs are not available in the period prior to 1913.

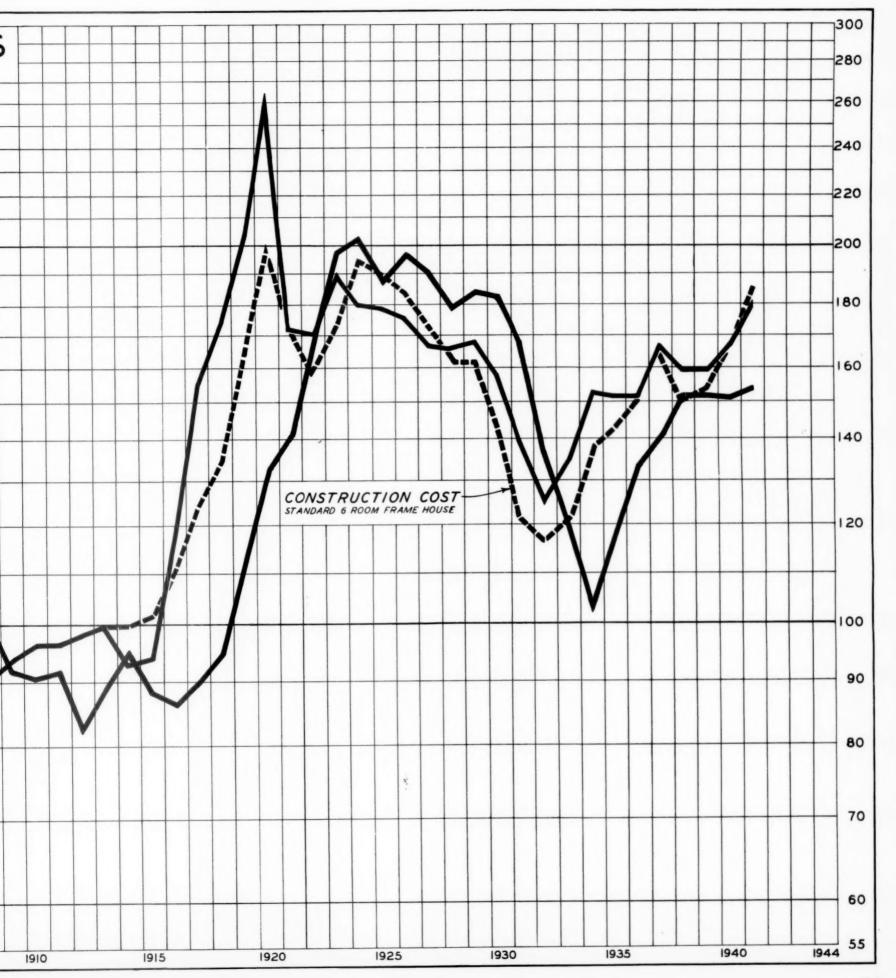
Even a casual glance at this chart reveals that over the long period building costs and residential rents have kept rather closely in step. In the initial period, prior to 1864, it will be noticed that the level of rents was below the level indicated by building material prices. This may have been due to several different causes. The first and foremost explanation would be the fact that the United States was in a real estate depression from 1856 to 1866 (see any of the long charts published by Real Estate Analysts, Inc.). this period very little building was done, with interest rates lower than they were in the succeeding war period. In a period of real estate depression it is quite natural for rents to be below the level expected from building costs. Coming back to our original principle, at any given time the level of residential rents depends solely on the supply and demand for space. In the depression period, because of doubling up of families together caused by economic distress, the demand shrinks and rents fall. In 1862 however building costs started rising rapidly, with a further drop in the volume of new building. By 1865 building costs were quite high, and the demand had reached the point where some new building had to be done. Accordingly, the monthly cost of the new units which must be added to the supply in order to take care of the demand has the effect of starting to raise rents and values; and it will be noticed that during the next few years rents and values rise until they exceed slightly the level of building costs as shown by the line giving wholesale building material prices.

In the early 70's when rents and values were above replacement costs the chart on pages 60-70 shows that St. Louis real estate was in a boom period.

(Continued on Page 60.)



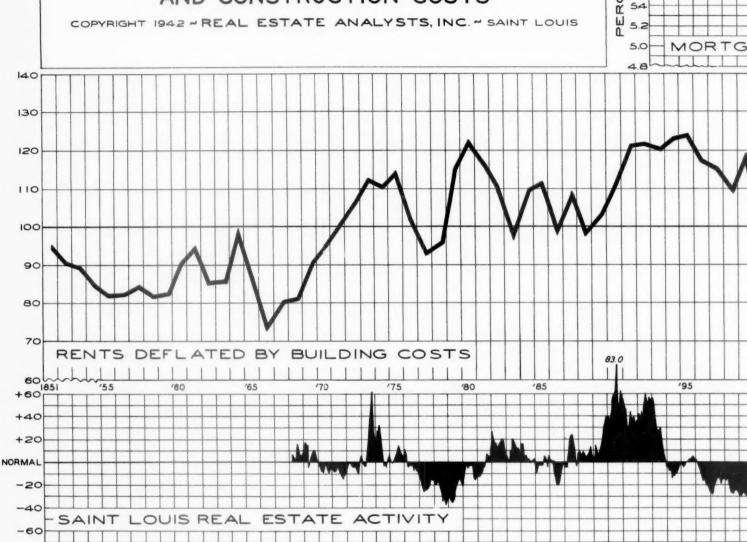




### SAINT LOUIS RENTS DEFLATED BY BUILDING MATERIAL PRICES AND CONSTRUCTION COSTS

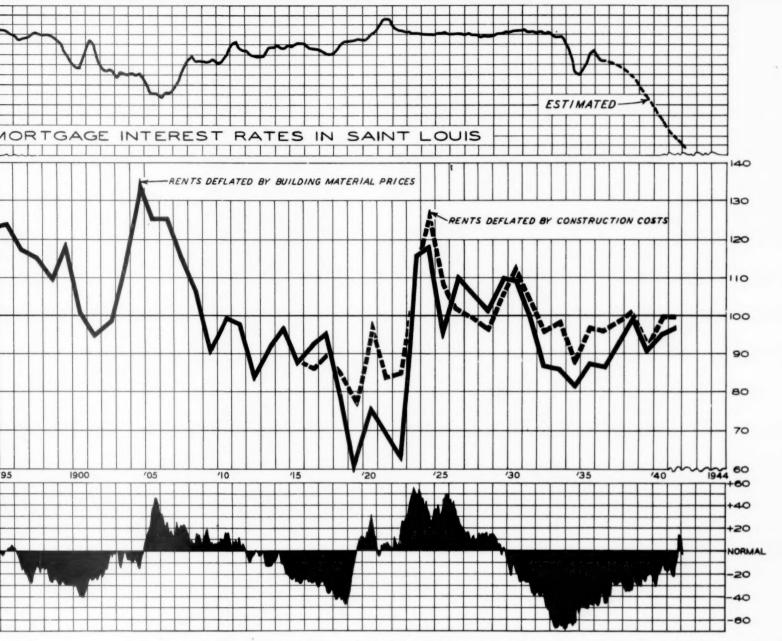
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In other words, during this period demand exceeded supply, which accounts for the high level of rents. The collapse of the stock market however in the latter part of 1873 and the passage of the Resumption Act in 1875 ushered in a new depression in real estate, with a rapid shrinking of demand. As a result the level of rents and values dropped quickly into a closer agreement with the building cost levels as indicated by the building material price line. By the late 80's a new boom was getting under way, followed by the depression of the 90's. This depression of the 90's lasted until 1904 in St. Louis, and it will be noticed that immediately following it rentals rose above the cost line as we would expect them to in a boom period.

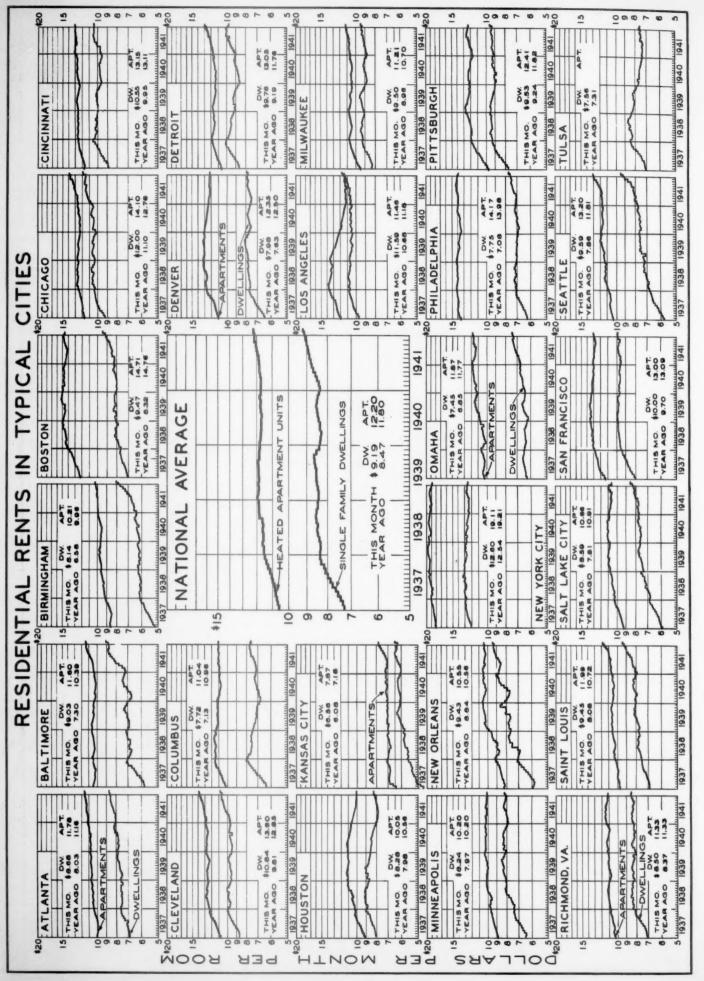
During the first World War period real estate was depressed in St. Louis, with a corresponding low level of residential rents and values. In 1915, however, construction costs started rising again, deterring the volume of new building which would be necessary to keep the supply and demand in harmony. By 1920 a space shortage had developed, and rents and values on residential properties rose rapidly until they passed the level of construction costs in the early 20's. In other words, by this time rents and values had returned to the

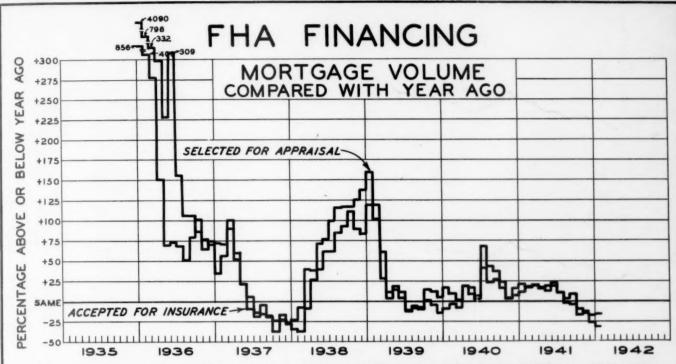


point where the rental value of space was determined by the monthly cost of ownership of new additions which must be made to the supply to take care of the demand.

The period in the 20's in which rents were above construction cost levels was a period of great real estate activity in St. Louis. The fact that the demand was exceeding the supply accounted for the high levels of rents and values.

The chart above shows residential rents in St. Louis deflated by dividing them by the wholesale building material prices of two years before. It will be noticed that the resulting line reproduces in a rough fashion the cycles of real estate activity. Along the top of this chart is shown the average mortgage interest rate for the period during which the figures are available for St. Louis. The low interest rates of the present have reduced the monthly cost of ownership of the additions which have been added to the housing supply and accordingly rents and values have not risen as much as they otherwise would as a result of the increase in construction costs.





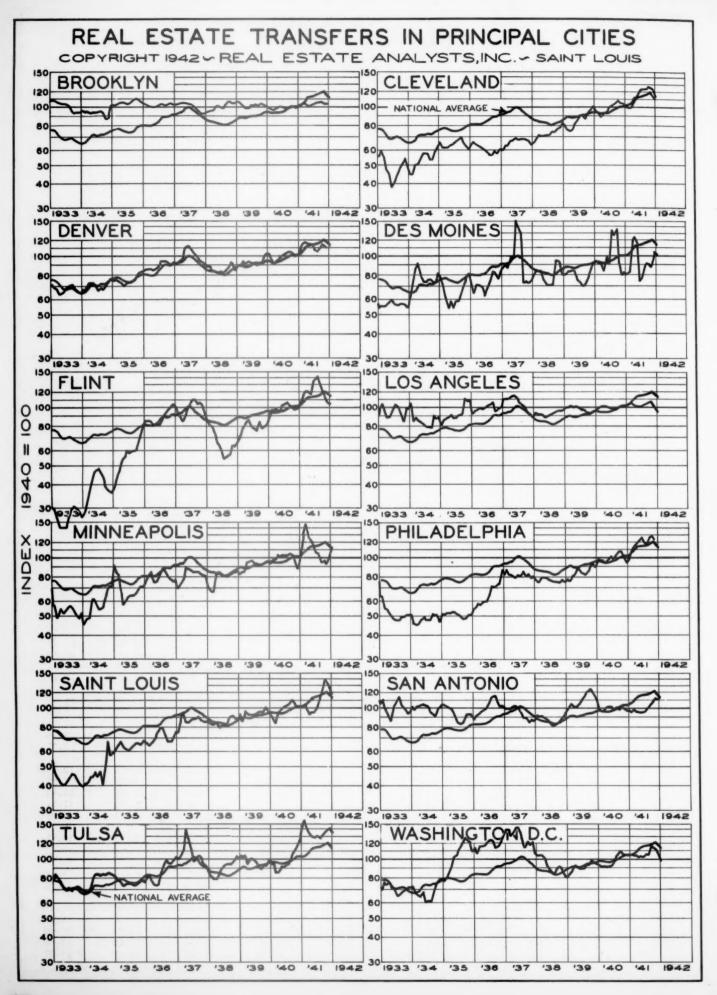
### THE REAL ESTATE ANALYST INDEX OF RESIDENTIAL RENTS

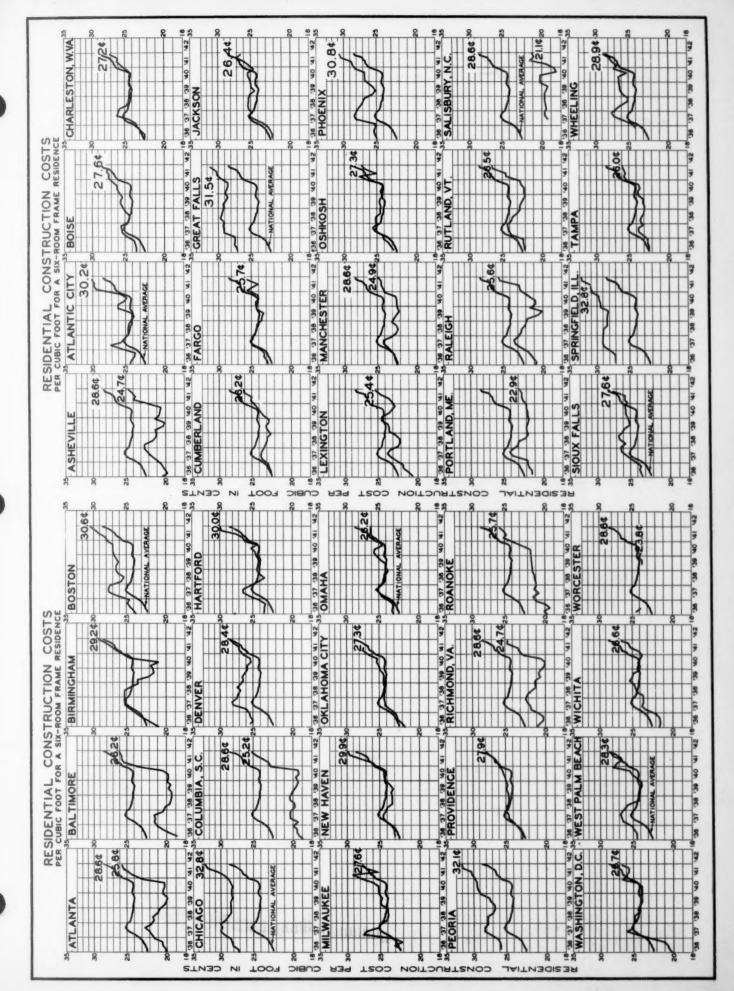
The table below shows advertised residential rent figures. All rents are expressed in dollars per month per room. This makes possible a comparison of rent levels between different cities, and in the same city between heated and unheated units. The twenty-six cities selected are typical cities scattered from coast to coast.

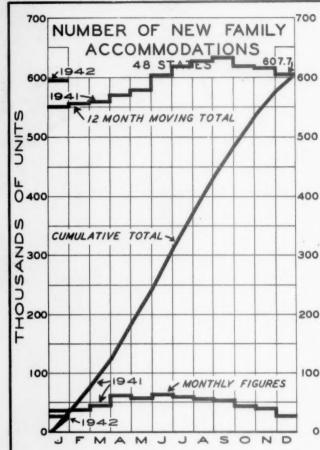
The index was computed by using a moving average for a two-year period with a heavier weighting on the last six months.

### THE REAL ESTATE ANALYST INDEX OF RESIDENTIAL RENTS

					1941							_	1942			
	/ Jul	y	Aug	3.	Se	pt.	Oct	t.	Nov	7.	. Dec	. 1	Jan		Pe	b.
	Res.												Res.			
National Index	\$8.78	11.90	\$8.86	11.96	\$8.94	12.01	\$8.98	12.06	\$9.01	12.10	\$9.05	12.19	\$9.10\$	12.19	\$9.19	12.20
Atlanta	8.32	11.30	8.44	11.44	8.49	11.43	8.49	11.53	8.54	11.60	8.57	11.70	8.61	11.70	8.68	11.78
Baltimore	8.46	10.91	8.61	11.00	8.86	11.18	8.91	11.30	8.80	11.40	8.81	11.50	8.86		9.03	
Birmingham	6.80	10.01	6.97	10.03	7.15	10.03	7.35	10.02	7.54	10.09	7.75	10.13	7.88	10.15	8.14	10.21
Boston	8.65	14.61	8.73	14.69	8.86	14.91	8.98	14.96	9.04	14.98	9.14	15.00	9.22	14.90	9.47	14.73
Chicago													12.00	13.90	12.00	14.10
Cincinnati	10.42	12.99	10.48	13.00	10.60	13.01	10.59	13.10	10.59	13.11	10.59	13.16	10.55	13.12	10.55	13.1
Cleveland											10.73				10.84	
Columbus											7.80			11.11	7.72	11.0
Denver											7.89			12.36	7.98	12.3
Detroit											10.03				9.76	
Houston	7.91	10.20	7.97	10.19	8.02	10.19	8.04	10.19	8.09	10.15	8.16	10.12	8.28	10.08	8.28	10.0
Kansas City											6.47			7.86	6.56	7.8
Los Angeles	10.91	11.30	10.98	11.26	10.99	11.30	11.03	11.30	11.19	11.48	11.36	11.45	11.45	11.42	11.59	11.4
Milwaukee	9.09	10.89	9.20	10.88	9.25	10.98	9.41	11.13	9.38	11.16	9.43	11.20	9.42	11.21	9.50	11.2
Minneapolis	8.25	10.23	8.29	10.35	8.21	10.30	8.20	10.26	8.15	10.25	8.10	10.26	8.11	10.21	8.24	10.2
New Orleans	8.91	10.40	9.05	10.38	9.07	10.33	9.14	10.36	9.25	10.41	9.30	10.48	9.25	10.45	9.43	10.
lew York	12.40	19.16	12.60	19.35	12.70	19.39	12.77	19.39	12.69	19.29	.2.70	19.21	12.65	19.18	12.60	19.
Omaha	7.24	11.50	7.30	11.45	7.36	11.60	7.43	11.71	7.46	11.71	7.41	11.75	7.43	11.8	2 7.45	11.
Philadelphia											7.59			14.19	7.75	5 14.
Pittsburgh	9.28	12.36	9.31	12.58	9.30	12.69	9.40	12.69	9.44	12.60	9.42	12.56	9.3	3 12.49	9.5	3 12.
Richmond	8.36	11.50	8.45	11.53	8.34	11.43	8.30	11.36	8.41	11.30	8.49	11.30	8.5	5 11.3	0 8.5	0 11.
Baint Louis							9.09				9.14	11.48			7 9.4	
Salt Lake City							8.19					11.01			0 8.5	
San Francisco							9:90					12.99			0 10.0	
Seattle							8.53			12.79		13.00	9.2	2 13.1	0 9.5	9 13.
Tulsa	7.30	)	7.48		7.46		7.47		7.53		7.51	-	7.6	1	. 7.5	6







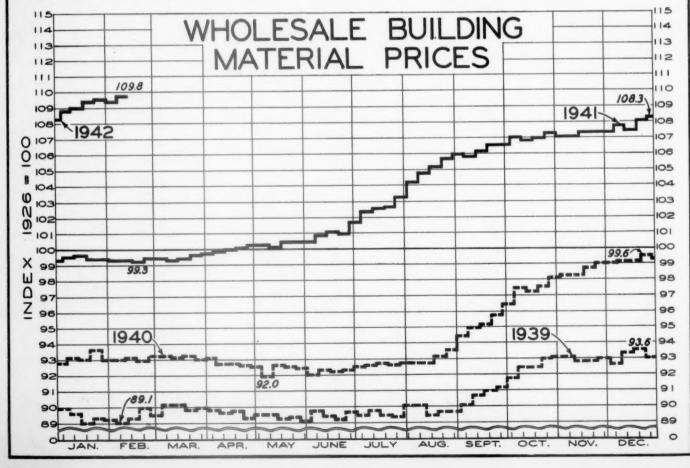
DWELLING UNITS CONSTRUCTED IN 48 STATES

							4	≤ MOUTU	
		Monthl	У	C	umulati	ve	Mov	ing Tot	al
	1940	1941	1942	1940	1941	1942	1940	1941	1942
January	24.3	37.7	28.3	24.3	37.7	28.3	459.2	553.4	598.3
February	34.8	39.3		59.1	77.0		464.8	557.9	
March	43.4	47.8		102.5	124.8		468.8	562.3	
April	52.1	64.1		154.6	188.9		484.3	574.3	
May	51.2	59.3		205.8	248.2		485.9	582.4	
June	40.3	66.4		246.1	314.6		485.6	608.5	
July	49.8	61.8		295.9	376.4		497.3	620.5	
August	49.9	59.2		345.8	435.6		501.0	629.8	
September	52.2	57.3		398.0	492.9		517.5	634.9	
October	59.9	46.5		457.9	539.4		541.3	621.5	
November	41.4	40.1		499.3	579.5		540.2	620.2	
December	40.7	28.2		540.0	607.7		540.0	607.7	

THE number of new family accommodations built in all non-farm communities of the 48 states and the District of Columbia is shown in the table above and on the chart to the left. Cumulative totals and twelve month moving totals for 1940 (black) and 1941 (red) are given.

Wholesale building material prices as compiled by the Bureau of Labor Statistics are charted by weeks on the chart below. During October and November, building material prices moved sideways. Since early

in December these prices have been gradually increasing. Because of the price ceilings which have been imposed, however, we do not believe that this is the beginning of a rapid rise such as took place in the summer of 1941.





VOLUME , XI

## EXECUTIVE DIGEST

OF THE CURRENT REAL ESTATE ANALYST REPORTS

REAL ESTATE ANALYSTS, INC.

Real Estate Economists, Appraisers and Counselors

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### REAL ESTATE ACTIVITY

HE volume of real estate sales activity averaged throughout the United States hit its highest point in October of last year at 23.6% above our computed normal. Each succeeding month has shown a drop on a seasonally corrected basis, with November 19.5% above, December 18.5%, and January 15.3% above the computed normal. In comparison however with the Januarys of preceding years, January 1942 was quite satisfactory. In 1941 real estate activity was 2.6% above the computed normal, and in 1940 it was 8.1% below the computed normal. In spite of all the disturbing influences of the war, January 1942 was better than any January since 1928.

REAL ESTATE MORTGAGES

will not be repeated.

We have been predicting the last few months rather considerable drops in the volume of mortgage financing. This is due to the fact that mortgage volume depends partially on new construction, and with new construction badly off because of priorities it is quite natural that real estate mortgage activity would drop. During January mortgage activity was 35% below normal, in contrast with 28.7% in December and a high last fall of 22.2% below normal. volume of mortgage financing has never recovered in comparison with the levels of the twenties, as during the entire period from 1933 to the present all of the financing has been on relatively small residential buildings. Until large buildings come back into the picture in volume the high levels of the past

In January 28,300 new dwelling units were started in NEW DWELLING UNITS contrast with 37,700 in January 1941. This is a decrease of almost exactly 25%. It is, however, a slightly larger number than those started in December 1941. New building of course will be very spotty during 1942, proceeding at rapid rates in some defense areas, with practically no building of any kind going on in non-defense areas other than farms. The building of farm residences will exceed a year ago by from 8% to 10%, while the building of farm service buildings will exceed the figures of a year ago by possibly 15% to 20%. One of the difficulties holding back new building in the past month or so has been the necessity of an immense amount of clerical work necessary to secure priorities. As contractors become more familiar with the confusing details, building will increase.

BUILDING COSTS

The center spread in this report shows the cost of building a standard six-room frame house in St. Louis. This is the only cost figure of its kind in the United States that refigures as nearly as possible the same house from 1913 to

the present. It will be noticed that in February the cost has advanced to This is an increase of \$69 over the January figure and of \$893 over

### BUILDING COSTS OF A STANDARD SIX ROOM FRAME RESIDENCE BUILT IN ST. LOUIS

THE general description of this six-room colonial frame residence is as the house proper has a cubic content of 23,792 cubic feet, and the attached garage of 1,575 cubic feet - a total cubic content of 25,376 cubic feet. This is considered a good, average house in the medium price class.

In brief the plans and specifications call for concrete foundations, concrete basement and garage floors; concrete slabs for front and rear stoops; frame exterior walls with 3/4" x 10" redwood siding, with stucco gable ends; three-coat plaster walls; oak flooring; pine B & B trim; 1 3/8" six-panel #1 pine doors; tile wainscote and floors in bathroom and lavatory; cabinets; 266 lbs. asphalt shingle roof; modern bathroom fixtures; hot water heat; modern electrical installation; insulation in exterior walls and second floor ceiling.

The costs given in the accompanying table cover a complete structure except for the following items:

Walks and drives Electrical fixtures Hot water heater and hot water tank Decoration to interior walls and ceilings

Several items of construction underwent changes during the twenty-seven years for which costs are given. Prior to 1921 a leg tub and wall lavatories were used instead of the full roll tub and pedestal type lavatory now specified. Prior to 1924, tile walls in bathroom and lavatory were omitted. Prior to 1930, insulation of both exterior walls and second floor ceiling was Copper has been in and out.

Costs are grouped into four classifications of material, four of labor and three of overhead. A further breakdown of these groups is given in detail below. Columns of the table are numbered, and a brief description of the items included in each is given in the paragraphs below. Paragraphs are numbered to correspond with the columns de-

Group A:

(1) Mason Materials: Cement, Sand, gravel, quick lime, hydrated lime, hard wall plaster, face and common brick, fire brick, flue lining Labor.

(2) Tile Materials: 4½ x 4½ wall tile, ceramic floor tile, cap and base. Labor .
(3) TOTAL OF GROUP A: Materials. Labor .

Group B:

(4) Unfinished Lumber: Columns, beams, floor and ceiling joists, interior and exterior studs, rafters, bracing, etc. Labor.

(5) Finished Lumber: Sub-flooring, sheathing, beveled siding, finished floors, asphalt shingle roofing, roofing felt, tar paper, shut-

ters, etc. Labor.

(6) Mill Work: Windows, doors, trim, kitchen cabinet, stairs. Labor.

(7) TOTAL OF GROUP B: Materials. Labor.

Group C: (8) Heating: Boiler, insulating jackets, fittings, tools, pipes, con-

otions, valves and radiation. Labor .

) Flumbing: Soil pipes and connections, stack, water pipe and convections, lead oakum and bathroom fixtures; hot water heater and tank be furnished by others. Labor .

Building material costs are printed in black; scribed.

spondinglabor items are given in red. Overhead items - columns 15, 19 and 20 - are also printed in black.

Nolabor items are shown in column 13, <u>Building Hardware</u>, as they have already been included in column 6, <u>Mill Work</u>.

(10) TOTAL OF GROUP C: Materials, Labor .

Group D:

(11) Sheet Metal: Galv. iron gutters, downspouts, flashing. Labor..

(12) Electrical Work: Main switch, BX cable, switch boxes, receptacles, transformer, etc. No fixtures included. Labor..

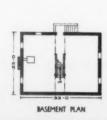
(13) Nails and Hardware: Common and wire nails, bolts, damper, ash doors, finish hardware.\*

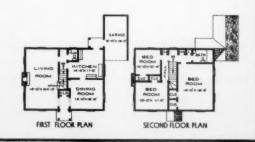
doors, finish nardware."
(14) Paint Materials: White lead, linseed oil, turpentine. Labor..
(15) Misc.: Metal & wood laths, corner bead, insulation. Labor..
(16) TOTAL DO GROUP D: Materials. Labor..
(17) TOTAL COSTS: Materials. Labor.

Oroup E: (18) Overhead and profit of subcontractors in plastering, metal work,

(18) Overhead and profit of subcontractors in plastering, metal work, heating, plumbing, electrical work and tile work.
(19) General contractor's profit.
(20) Missouri sales tax (now 2% on materials), old age and unemployment tax (federal and state), liability and employees'compensation insurance, fire and tornado insurance, completion bond.
(21) TOTAL OF GROUP E: Materials. Labor.
(22) TOTAL CONSTRUCTION COST.







# BUILDING COSTS OF A STANDARD SIX ROOM FRAME RESIDENCE BUILT IN ST. LOUIS

(00)	TOTAL	3833 4269 4749	5185 6409 7678 6604 6102	6634 7487 7280 7045 6635	6210 6210 5449 4680 4482	\$279 5279 5469 5791 6291	5946 5786 5703 5634	5615 5926 5923 6096	6005 6004 6278 6278 6400 6551 6611	67797 6789 6775 6811 6888	127 128 128 128 128 128 128 128 128 128 128	7682
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GROUP B	9)	134 349 145 329 145 363	1030		244 377 181 312 145 254 145 269	145 344 145 494 181 523 209 494 245 578		219 529 219 509 219 508	215 566 215 566 215 566 215 566 215 566 215 566 215 566 215 568 218 62	265 695 645 645 645 645 645 645 645 645 645 64	200 S 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	-
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	(4)	212 101 212 101 189 108 224 108	2 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6			355 108 439 135 364 159 364 159		353 142 345 164 346 164 365 164	774 158 771 158 771 158 771 158 415 158 494 162 493 162			
	(3)	386 401 384 401 390 408	564 436 649 469 770 480					618 494 613 638 619 638		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	88666	689
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